

01482570 GAME CREEK AT US ROUTE 40, NEAR DEEPWATER, NJ

DELAWARE RIVER BASIN

LOCATION.--Lat 39°40'53", long 75°27'46" referenced to North American Datum of 1983, Carneys Point Township, Salem County, NJ, Hydrologic Unit 02040206, at bridge on U.S. Route 40, 0.3 mi upstream from mouth, 1.5 mi east of Deepwater, and 3.0 mi northeast of Pennsville.

DRAINAGE AREA.--14.3 mi².

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 2007 to current year.

COOPERATION.--Physical measurements and samples for laboratory analysis were collected in cooperation with the NJ Department of Environmental Protection. Determinations of carbonaceous biochemical oxygen demand and suspended residue were performed by the NJ Department of Health and Senior Services, Environmental and Chemical Laboratory.

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 1 of 3

[QC, quality control sample. Remark codes: <, less than; E, estimated.]

Date	Time	Sample medium and type	Turbidity white light, det ang 90+/-30 corrctd NTRU (63676)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif- ic conduc- tance, wat unf μS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)
Oct									
15...	1400	Surface water, regular	6.5	765	6.0	62	6.5	233	18.0
Feb									
07...	0930	Surface water, replicate	10	754	8.5	74	6.7	267	11.0
07...	0931	QC - Surface water, split replicate	--	--	--	--	--	--	--
Apr									
07...	1320	Surface water, regular	4.9	768	9.4	85	7.0	240	--
29...	1140	Surface water, regular	8.4	754	3.2	32	6.8	261	11.0
May									
28...	1240	Surface water, regular	8.2	765	6.3	71	6.6	212	22.0
Jul									
02...	1300	Surface water, regular	23	762	4.4	56	6.8	272	--
30...	1330	Surface water, regular	18	754	8.2	105	7.2	286	31.0
Aug									
14...	1215	Surface water, regular	7.0	755	3.2	40	6.1	177	30.0

01482570 GAME CREEK AT US ROUTE 40, NEAR DEEPWATER, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 2 of 3

[QC, quality control sample. Remark codes: <, less than; E, estimated.]

Date	Temper- ature, water, deg C (00010)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Chlor- ide, water, fltrd, mg/L (00940)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total non- filter- able, mg/L (00530)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water fltrd, mg/L as N (00631)	Total nitro- gen, water, unfltrd mg/L (00600)	Phos- phorus, water, fltrd, mg/L as P (00666)	Phos- phorus, water, unfltrd mg/L as P (00665)	Organic carbon, water, unfltrd mg/L (00680)	CBOD, water, unfltrd 5 day, mg/L (80082)
Oct													
15...	16.7	18	36.0	135	9	.66	.123	.084	.74	.010	.065	6.2	<1.0
Feb													
07...	9.3	18	40.1	155	10	.59	.070	1.45	2.0	E.01	.06	7.1	<1.0
07...	--	18	40.3	150	7	.65	.069	1.46	2.1	E.01	.06	8.1	<1.0
Apr													
07...	10.5	21	37.0	148	4	.60	.028	.92	1.5	E.01	.04	9.7	2.4
29...	14.5	35	38.9	170	10	1.0	.234	.45	1.5	.03	.08	11.4	<1.0
May													
28...	21.4	27	30.1	139	8	.96	.139	.39	1.3	.03	.09	12.8	<1.0
Jul													
02...	27.6	45	41.0	181	27	1.5	.162	.07	1.5	.10	.24	15.6	<1.0
30...	28.5	45	39.2	181	20	1.3	E.017	<.04	--	.04	.15	14.8	E1.7
Aug													
14...	23.8	20	21.0	125	11	.98	.056	.12	1.1	.04	.12	12.6	E1.2

01482570 GAME CREEK AT US ROUTE 40, NEAR DEEPWATER, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER
2008

Part 3 of 3

[QC, quality control sample. Remark codes:
 <, less than; E, estimated.]

Date	Chloro- phyll a phyto- plank- ton, fluoro, µg/L (70953)	Pheo- phytin a, phyto- plank- ton, µg/L (62360)	Boron, water, unfltrd recover -able, µg/L (01022)	Iron, water, unfltrd recover -able, µg/L (01045)
Oct				
15...	13.1	7.1	25	971
Feb				
07...	9.1	6.9	21	913
07...	7.7	6.1	30	929
Apr				
07...	7.9	5.8	27	1,050
29...	12.7	12.2	40	1,760
May				
28...	12.6	9.9	31	2,020
Jul				
02...	30.8	22.1	24	5,810
30...	33.6	22.7	66	2,840
Aug				
14...	19.2	7.9	32	1,710

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

[QC, quality control sample]

Date	Time	Sample medium and type	Phos- phorus, bed sedimnt total, mg/kg as P (00668)
Aug			
19...	1110	Bottom material, replicate	820
19...	1111	QC - Bottom material, split replicate	130